Departments, Schools & Institutes

Departments

- Bioengineering (https://www.mcgill.ca/bioengineering/)
- Chemical Engineering (https://www.mcgill.ca/chemeng/)
- Civil Engineering (https://www.mcgill.ca/civil/)
- Electrical & Computer Engineering (https://www.mcgill.ca/ece/)
- Mechanical Engineering (https://www.mcgill.ca/mecheng/)
- Mining & Materials Engineering (https://www.mcgill.ca/minmat/)

Schools

- The Peter Guo-hua Fu School of Architecture (https://www.mcgill.ca/architecture/)
- School of Urban Planning (https://www.mcgill.ca/urbanplanning/)

Institutes & Centres

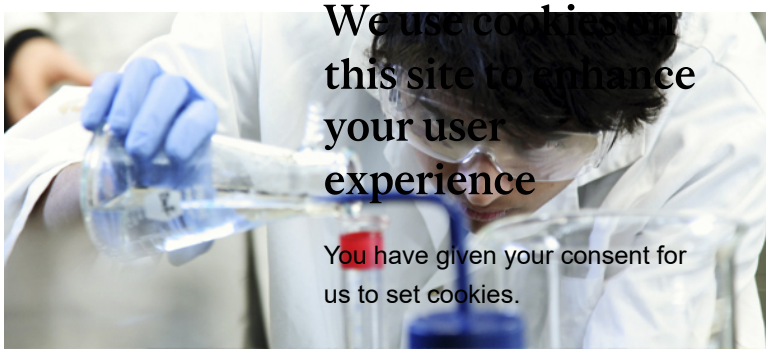
- Brace Centre for Water Resources Management (https://www.mcgill.ca/brace/)
- Centre for Intelligent Machines (CIM) (https://www.mcgill.ca/cim/)
- Centre for Systems, Technologies and Applications for Radiofrequency and Communication (STARaCom) (http://www.staracom.mcgill.ca/index.html?var=EN)
- McGill Energy Centre (https://www.mcgill.ca/energy-centre/)
- McGill Institute for Advanced Materials (MIAM) (https://www.mcgill.ca/miam/)
- McGill Institute for Aerospace Engineering (MIAE) (https://www.mcgill.ca/miae/)
- McGill Metals Processing Centre
- Trottier Institute for Sustainability in Engineering and Design (TISED) (https://www.mcgill.ca/tised/)

Department of Bioengineering

Bioengineering uses analytical methods to quantitatively describe biology, but also draws upon the sophistication of living systems as a tool to design and create. This very rapidly growing research area covers a broad range of topics, such as materials science, biomedical applications, biophysics, molecular biology, and environmental engineering.

- Department of Bioengineering website (https://www.mcgill.ca/bioengineering/)
- Program flyer (https://www.mcgill.ca/engineering/files/engineering/bien_ug_brochure_2021_web.pdf)

Department of Chemical Engineering



Chemical engineers design processes and systems that produce everything from plastics and paper to pharmaceuticals, processed foods and advanced materials. They also apply their knowledge of scientific processes to such diverse fields as manufacturing and bioengineering.

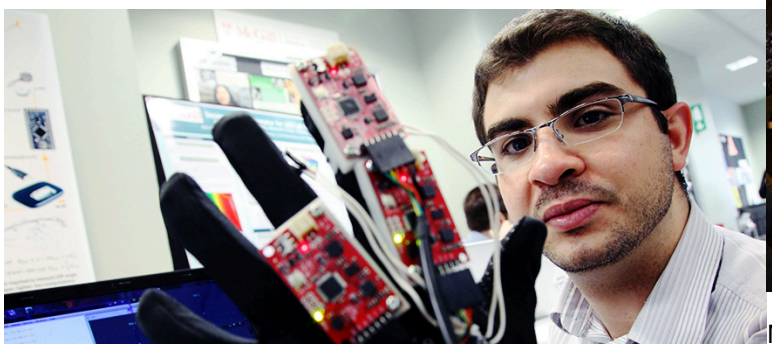
- Department of Chemical Engineering website (https://www.mcgill.ca/chemeng/)
- Program Flyer (https://www.mcgill.ca/engineering/files/engineering/chee_ug_brochure_2021_web.pdf)

Department of Civil Engineering

Civil engineers create the infrastructure of modern society and are responsible for everything from roadways to water management to the buildings we live and work in.

- Department of Civil Engineering (https://www.mcgill.ca/civil/)
- Program Flyer (https://www.mcgill.ca/engineering/files/engineering/civil_ug_brochure_2021_web_v2.pdf)

Department of Electrical and Computer Engineering



Almost every facet of our society, whether in industry, health care, or domestic life, is dependent on computers in some form or another, and computer engineers make it all possible. They design and develop the hardware and software systems that have made computers so central to contemporary life.

- Department of Electrical and Computer Engineering website (https://www.mcgill.ca/ece/)
- Program Flyer (https://www.mcgill.ca/engineering/files/engineering/ecse_ug_brochure_2021_web.pdf)
- Software Engineering Co-op Program Flyer (https://www.mcgill.ca/engineering/files/engineering/software_co-op_ug_brochure_2021_web.pdf)

Department of Mechanical Engineering

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Mechanical engineers are involved in the conception, design, implementation and operation of mechanical systems in many aspects of life, from bicycles and space shuttles to espresso machines.

- Department of Mechanical Engineering website (https://www.mcgill.ca/mecheng/)
- Mechanical Engineering Program Flyer (https://www.mcgill.ca/engineering/files/engineering/mech_ug_brochure_2021_web.pdf)

Department of Mining and Materials Engineering

Materials engineers help in developing super-strong alloys for the aerospace industry, lighter materials to reduce the environmental consequences of the transport industry, miniaturized and higher performing materials for the electronics industry, as well as ceramic composites used in artificial hips and bone replacements.

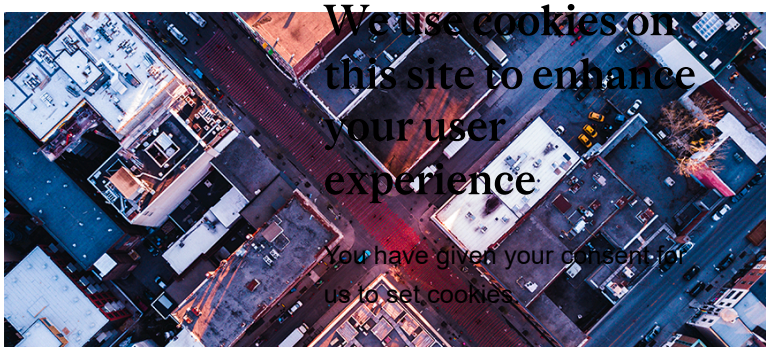
- Department of Mining and Materials Engineering website (https://www.mcgill.ca/minmat/)
- Mining Engineering Program Flyer (https://www.mcgill.ca/engineering/files/engineering/mime_mining_ug_brochure_2021_web_version.pdf)
- Materials Engineering Program Flyer (https://www.mcgill.ca/engineering/files/engineering/mime_materials_ug_brochure_2021_web.pdf)

The Peter Guo-hua Fu School of Architecture

Architects use art, science and technology to shape the way we interact in our buildings and in our cities by designing environments that are aesthetically pleasing, structurally sound, and responsive in every way to the needs of the people who use them.

- School of Architecture website (https://www.mcgill.ca/architecture/)
- Architecture Program Flyer (https://www.mcgill.ca/engineering/files/engineering/arch_ug_brochure_2021_web.pdf)

School of Urban Planning



Urban planning can be described as a technical and political process concerned with the welfare of people, control of the use of land, design of the urban environment including transportation and communication networks, and protection and enhancement of the natural environment.

- School of Urban Planning website (https://www.mcgill.ca/urbanplanning)
- Urban Planning Program Flyer (https://www.mcgill.ca/engineering/files/engineering/urban_planning_graduate_flyer_-_fall_2015.pdf)

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